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113 same (advantag\$ or useful\$)

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USPT	113 same (advantag\$ or useful\$)	5	<u>L15</u>
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USPT	19 same microchip\$	0	<u>L11</u>
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USPT	13 same (advantag\$ or useful\$)	89	<u>L4</u>
USPT	pendant near0 carboxylic	572	<u>L3</u>
USPT	11 same (advantag\$ or useful\$)	1	<u>L2</u>
USPT	photobleach\$ same (remov\$ or reduc\$) same signal\$	21	<u>L1</u>

AN 1995:398529 BIOSIS

DN PREV199598412829

TI (+-)-delta-cadinene is a product of sesquiterpene cyclase activity in cotton.

AU Davis, Gordon D.; Essenberg, Margaret (1)

CS (1) Dep. Biochem. Molecular Biol., Okla. State Univ., Stillwater, OK 740780-0454 USA

SO Phytochemistry (Oxford), (1995) Vol. 39, No. 3, pp. 553-567.  
ISSN: 0031-9422.

DT Article

LA English

AB Glandless cotton cotyledons stimulated to produce sesquiterpenoid phytoalexins by inoculation with *Xanthomonas campestris* pv. *malvacearum*, or by injection of oligogalacturonide elicitors, generated a hydrocarbon that was absent in mock-inoculated or non-inoculated cotyledons. Enzyme preparations from the same cotton cotyledons catalysed cell-free reactions

which converted (E, E)-(1-3H)farnesyl **pyrophosphate** into a predominant tritium-labelled hydrocarbon product. Large-scale cell-free reactions catalysed by enzyme preparations from cotton cotyledons previously inoculated with *Xanthomonas campestris* pv. *malvacearum* converted nonradioactive (E, E)-farnesyl **pyrophosphate** into the hydroca